

Date: Thursday, 5/4/2006 11:19:45 AM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : BLOWER INLET ADAPTER
Job Number : 26990	
Estimate Number : 12318	
P.O. Number : N/A	Part Number : D3473043
This Issue : 5/4/2006 S.O. No. : N/A	Drawing Number : D3473 REV.A
Prsht Rev. : NC	Project Number : N/A
First Issue : N/A Type : SMALL /MED FAB	Drawing Revision : A
Previous Run : 26614	Material : N/A
Written By : <u>SEE COMMENT BELOW</u>	Due Date : 5/28/2006
Checked & Approved By : <u>06.05.05</u>	Qty: <u>2/4</u> Um: Each
Comment : est rev. A 06.03.02 new issue EC	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D34735	VERTICAL TUBE
-----	--------	---------------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

Qty	Part number	Description	Batch
1	D3473-5	tube	B26119

2.0	D34733	COVER
-----	--------	-------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

Qty	Part number	Description	Batch
1	D3473-3	Cover	B27018

3.0	D34739	FLANGE
-----	--------	--------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

Qty	Part number	Description	Batch
1	D3473-9	Flange	B26121

4.0	D34731	DUCT
-----	--------	------



Comment: Qty.: 1.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

Qty	Part number	Description	Batch
1	D3473-1	Duct	B27017

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr		Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

NOTE: Date & initial all entries

QA: N/C Closed: _____ Date: _____

Date: Thursday, 5/4/2006 11:19:45 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BLOWER INLET ADAPTER

Job Number: 26990

Part Number: D3473043

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

D34737

HORIZONTAL TUBE



Comment: Qty.: 1.0000 Each(s)/Unit Total: 8.0000 Each(s)

Pick:

Qty Part number Description Batch

1 D3473-7 Tube ~~B3473~~ B 27020

6.0

AN960C416L

WASHER



Comment: Qty.: 2.0000 Each(s)/Unit Total: 16.0000 Each(s)

Pick:

Qty Part number Description Batch

2 AN960C416L washer M18822

7.0

NAS1031C3W

Nutplate



Comment: Qty.: 6.0000 Each(s)/Unit Total: 48.0000 Each(s)

Pick:

Qty Part number Description Batch

6 NAS1031C3W Nutplate M100049 See w/o B 26121

8.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

1-Drill hole as per dwg D3473

2-Spot weld as per dwg D3473

SB 06/06/07

9.0

QC5/9

WELD INSPECTION



Comment: WELD INSPECTION

SB 06/06/07

10.0

PACKAGING 1

PACKAGING RESOURCE #1

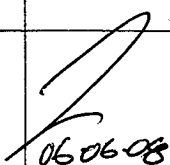


Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: SA

SB 06/06/07

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector	
060609	7	nut plates not required. D3473-9 has nut plates installed on it's own w/o.						
060609	7	Nut plates to be installed on the D3473-9 w/o. permanent change.					 060608	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes ☐ No ☒ DQA:  Date: 06/06/09

NOTE: Date & initial all entries

QA: N/C Closed: _____ Date: _____

Date: Thursday, 5/4/2006 11:19:45 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BLOWER INLET ADAPTER

Job Number: 26990

Part Number: D3473043

Job Number:



Seq. #:

Machine Or Operation:

Description :

11.0

DC

DOCUMENT CONTROL



(2)

Comment: DOCUMENT CONTROL
Inspection Level 21

Handwritten: 06/06/09

Job Completion



Handwritten: U 06-06-08

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

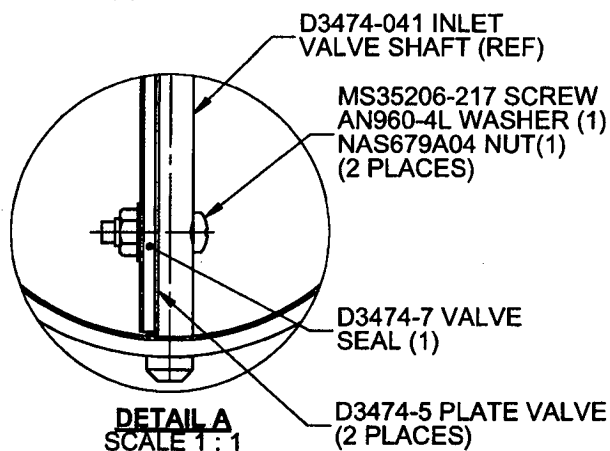
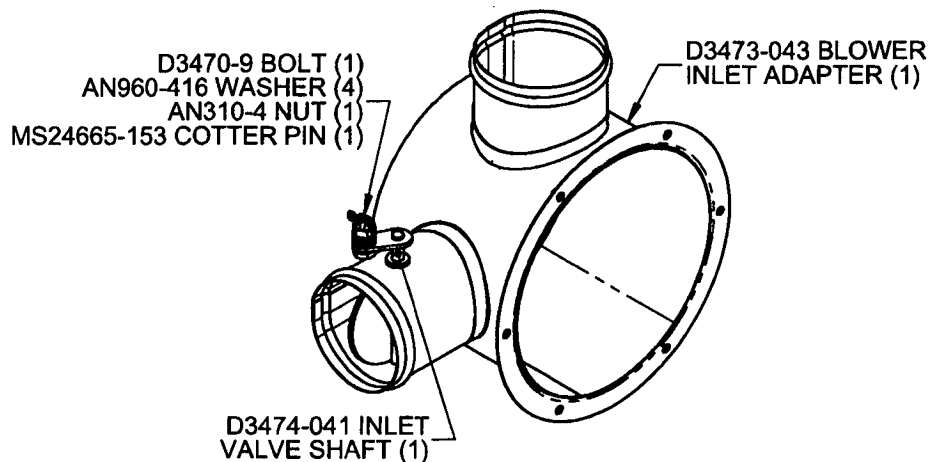
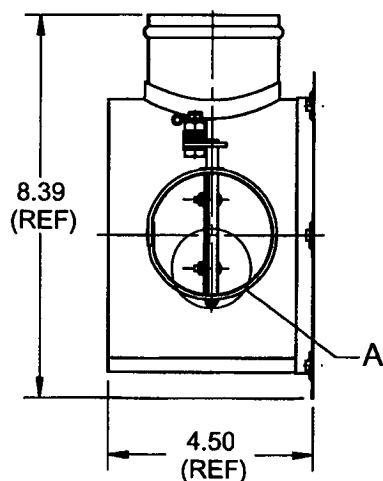
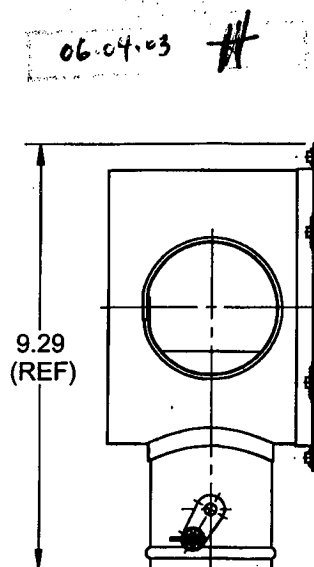
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

NOTE: Date & initial all entries

QA: N/C Closed: _____ Date: _____



DESIGN B	DRAWN BY B	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED H	APPROVED H	DRAWING NO. D3473	REV. A SHEET 1 OF 7
DATE 06.02.07		TITLE BLOWER INLET ADAPTER	SCALE 1:4
A	06.02.07	NEW ISSUE	



D3473-041 BLOWER INLET ADAPTER

NOTES:

- 1) IDENTIFY WITH DART P/N D3473-041 USING FINE POINT PERMANENT INK MARKER
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -041	P/N	DESCRIPTION
X	D3473-041	BLOWER INLET ADAPTER
1	D3470-9	BOLT
1	D3471-043	BLOWER INLET WELDMENT
1	D3474-041	INLET VALVE SHAFT
2	D3474-5	BUTTERFLY VALVE
1	D3474-7	BUTTERFLY VALVE SEAL
1	AN310-4	NUT
2	AN960-4L	WASHER
4	AN960-416	WASHER
1	MS24665-153	COTTER PIN
2	MS35206-217	SCREW
2	NAS679-A04	NUT

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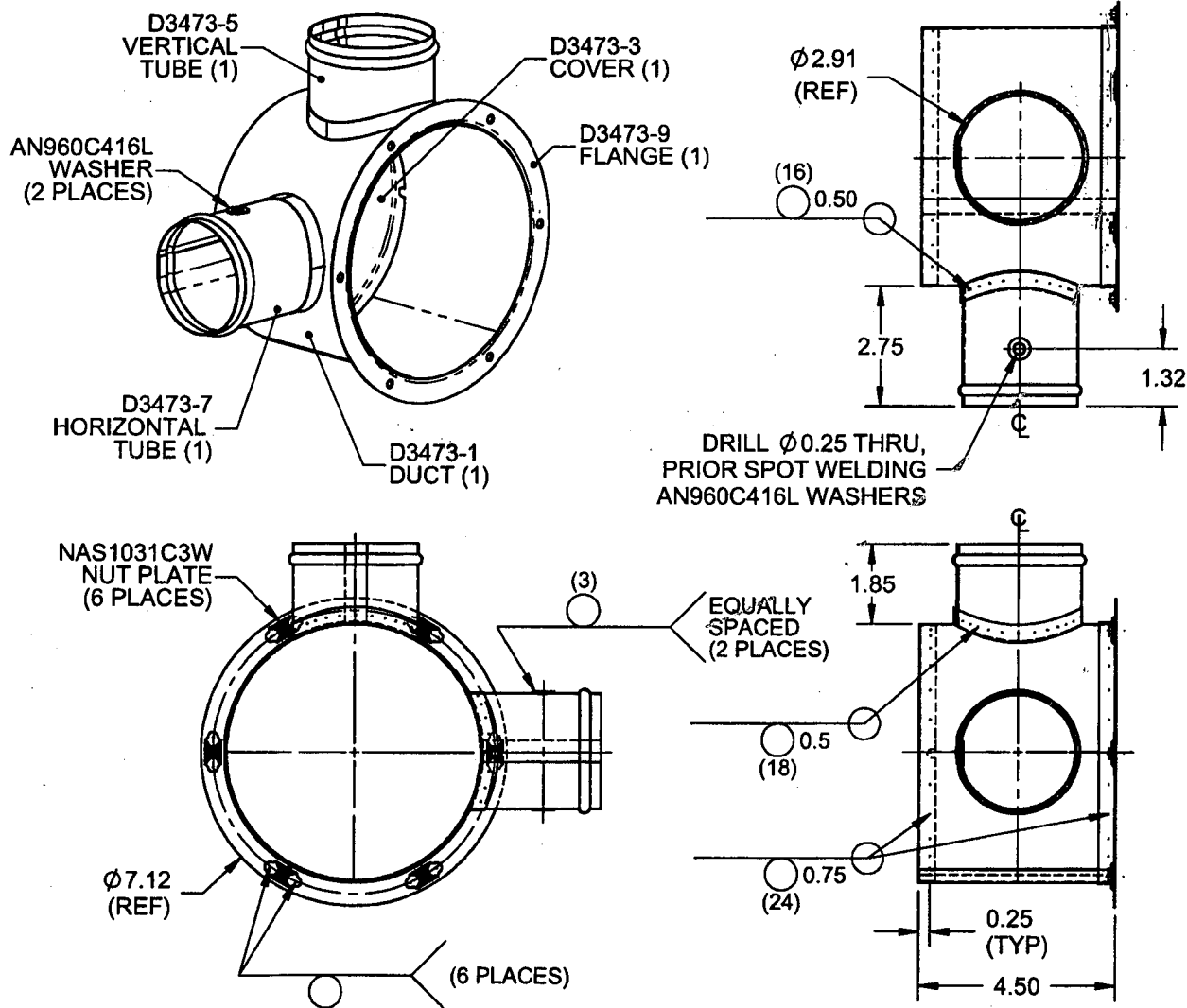
WORK ORDER

NO. 26990



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DATE 06.02.07		TITLE BLOWER INLET ADAPTER	SCALE 1:4

RELEASED
06.04.03 *[Signature]*



D3473-043 BLOWER INLET WELDMENT

NOTES:

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -041	P/N	DESCRIPTION
X	D3473-043	BLOWER INLET WELDMENT
1	D3473-1	DUCT
1	D3473-3	COVER
1	D3473-5	VERTICAL TUBE
1	D3473-7	HORIZONTAL TUBE
1	D3473-9	FLANGE
2	AN960C416L	WASHER
6	NAS1031C3W	NUT PLATE

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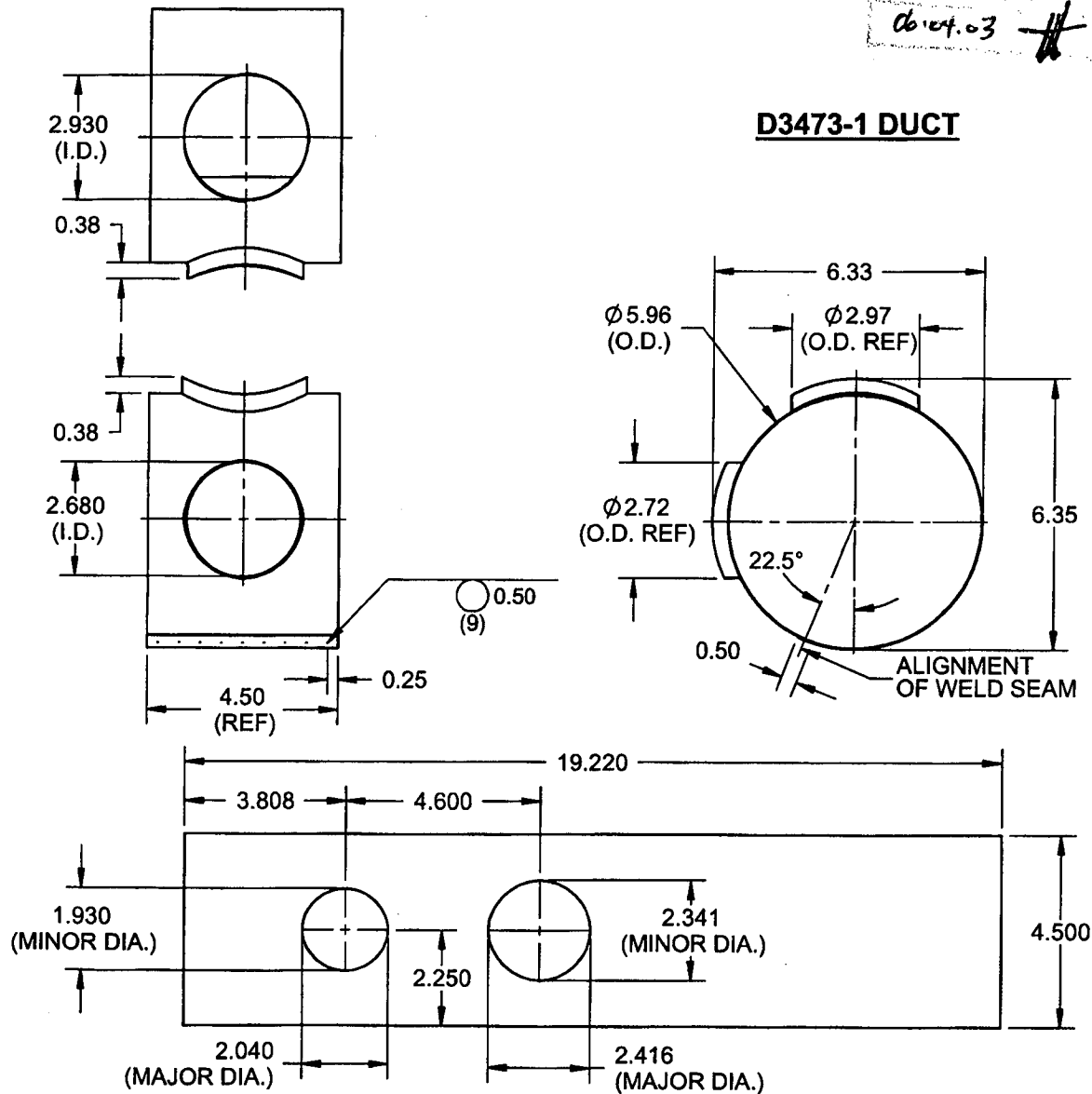
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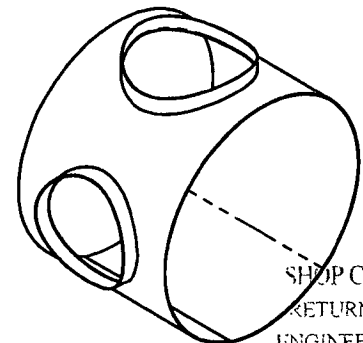
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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3473	REV. A SHEET 3 OF 7
DATE 06.02.07		TITLE BLOWER INLET ADAPTER	SCALE 1:4

**D3473-1F DUCT FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED)
2B FINISH 26 GAUGE SS (0.018 THICK)
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010



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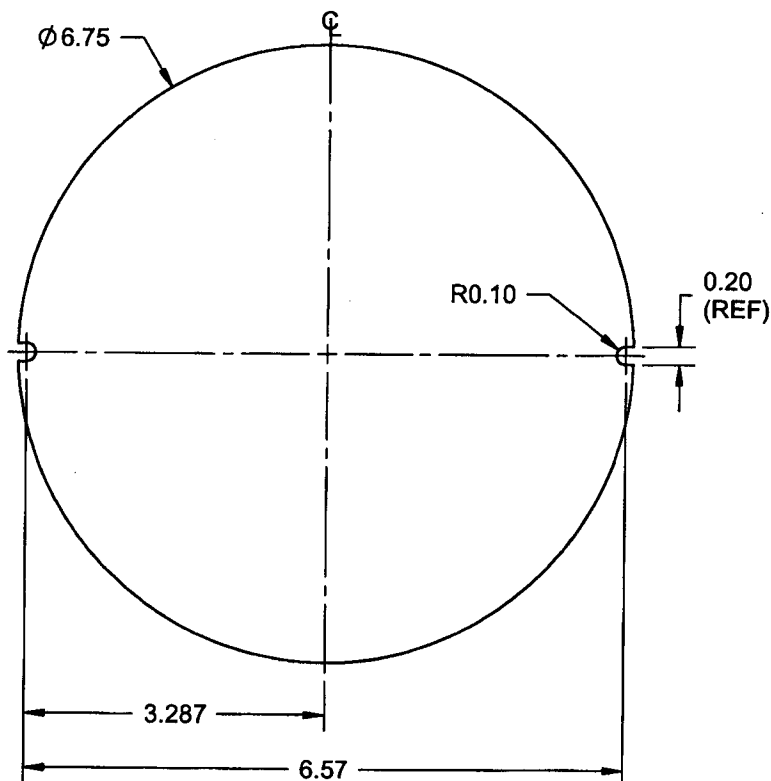
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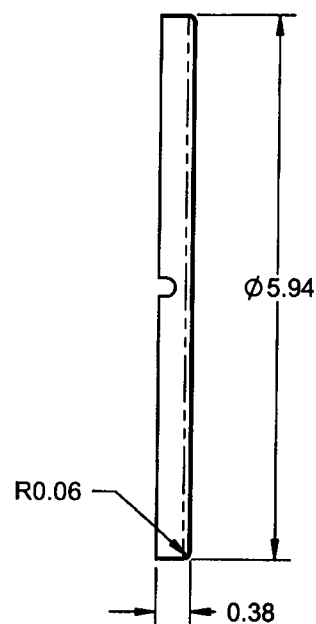


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DATE 06.02.07		TITLE BLOWER INLET ADAPTER	SCALE 1:2

06.04.03



D3473-3F COVER FLAT PATTERN



D3473-3 COVER

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH
26 GAUGE SS (0.018 THICK)
- 2) PART IS SYMMETRICAL ABOUT CENTERLINE
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

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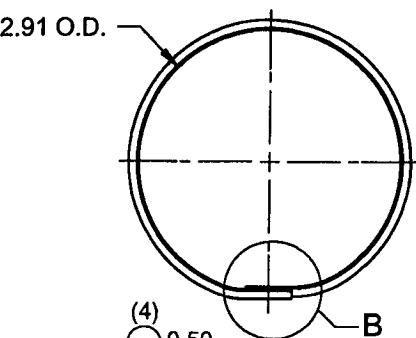
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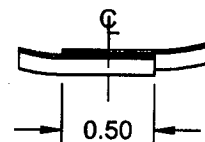
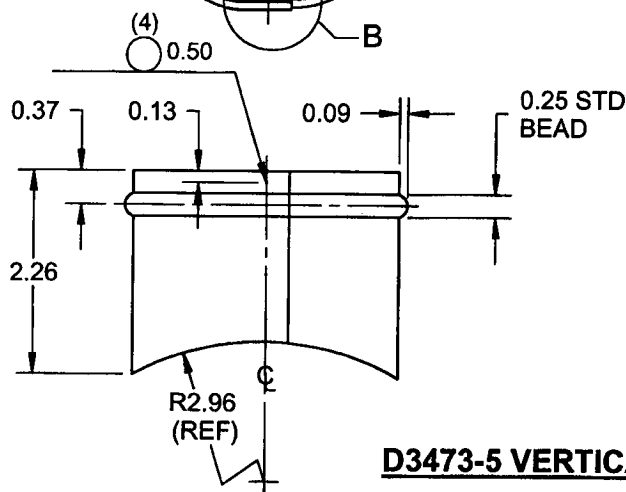
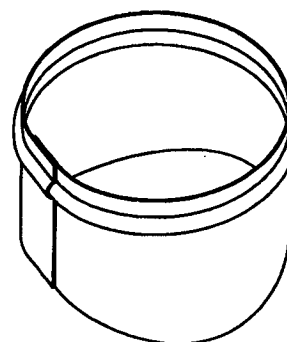


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DATE 06.02.07		TITLE BLOWER INLET ADAPTER	SCALE 1:2

Ø 2.91 O.D.

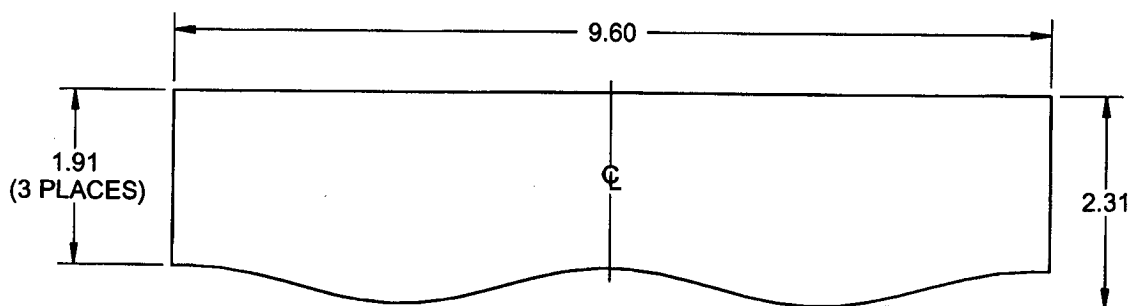


06.04.03



DETAIL B
SCALE 1:1

D3473-5 VERTICAL TUBE



D3473-5F VERTICAL TUBE FLAT PATTERN

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH
26 GAUGE SS (0.018 THICK)
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) FLAT PATTERN IS SYMMETRICAL ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010

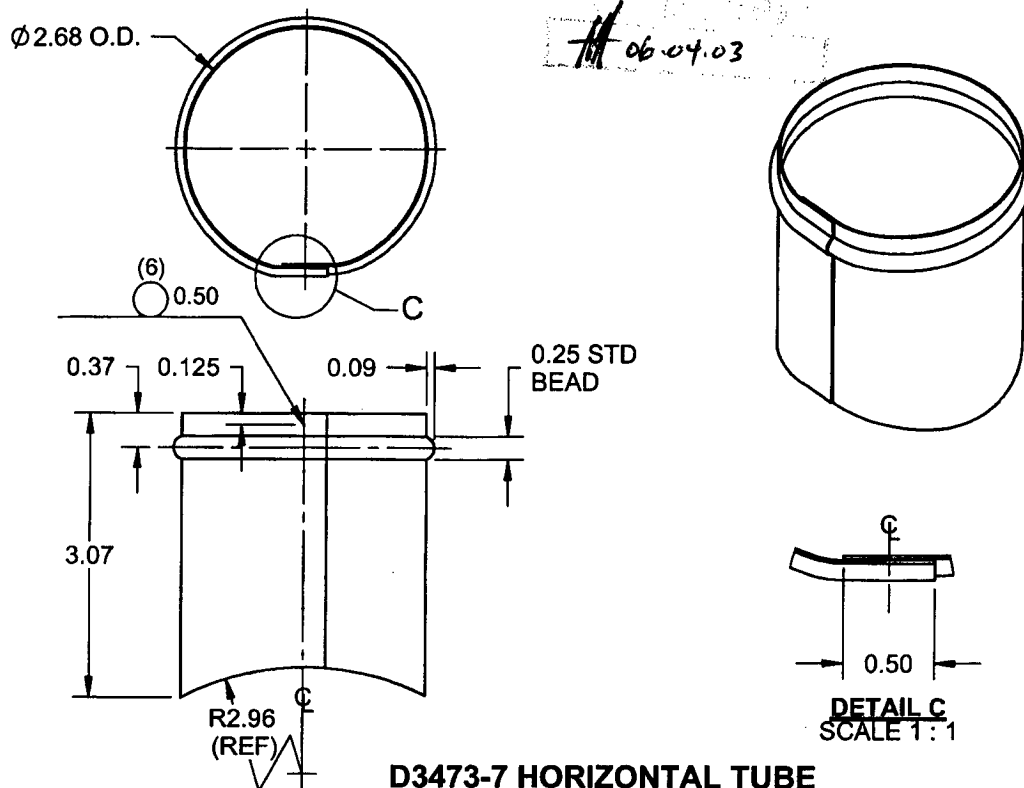
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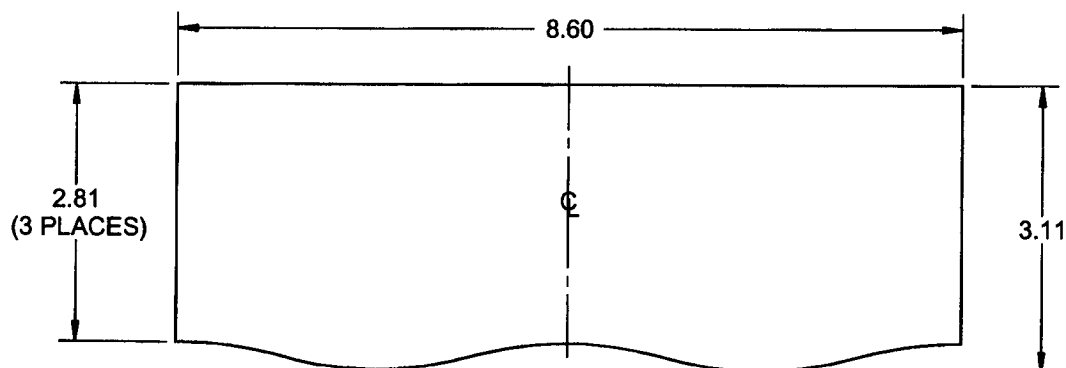
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DATE 06.02.07		TITLE BLOWER INLET ADAPTER	SCALE 1:2



D3473-7 HORIZONTAL TUBE



D3473-7F HORIZONTAL TUBE FLAT PATTERN

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH
26 GAUGE SS (0.018 THICK)
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) FLAT PATTERN IS SYMMETRICAL ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010

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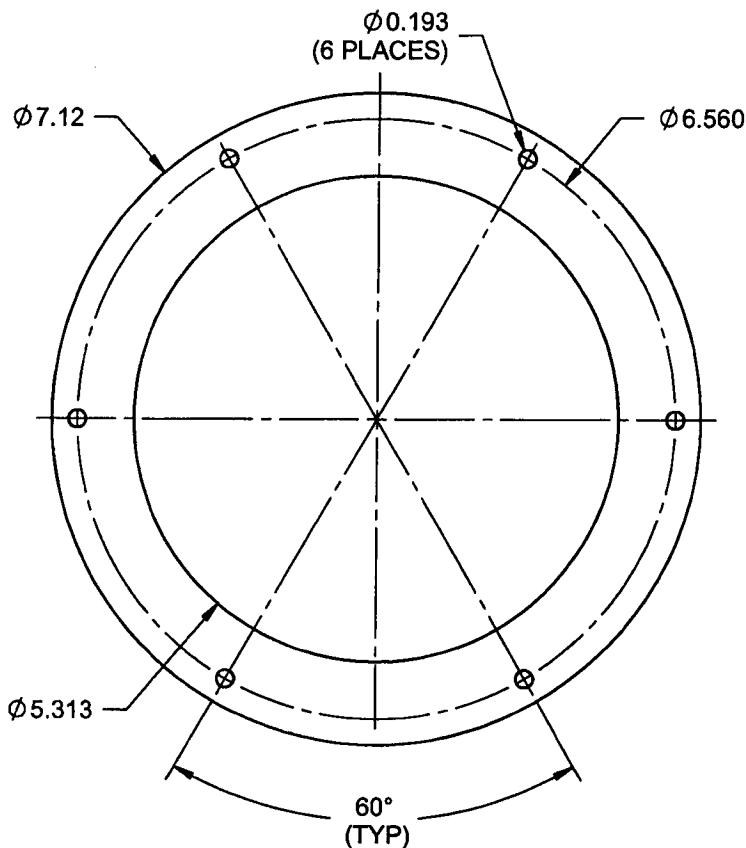
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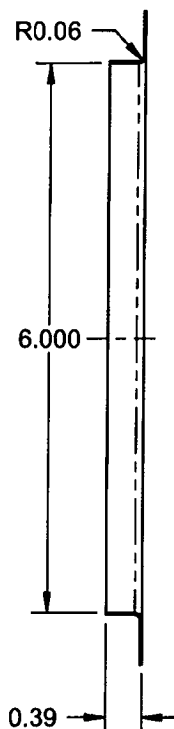
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DATE 06.02.07		TITLE BLOWER INLET ADAPTER	SCALE 1:2



D3473-9F FLANGE FLAT PATTERN



D3473-9 FLANGE BENDING DETAIL

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH
26 GAUGE SS (0.018 THICK) (REF. DART SPEC. M304S26GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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